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Low Pressure Mechanical Flowmeter – Easiflow

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Part # EF7731112121



The Easiflow switch is a flow measuring device incorporating an AC/DC switch suitable for controlling valves or pump motors or for activating alarm signals.

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Technical Specifications

Industry:	Industrial Manufacturing Equipment, Off-Road Machinery, Industrial & Chemical Processing	Sensing Method:	Variable Oriface Flowmeter
Flow Rate:	4 to 50 l/min	Accuracy:	+/- 5% FSD
Brand:	Parker	Electrical Requirements:	YES
For Fluid Type:	Oil	Communication Interface:	n/a
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Signal Output:	AC/DC
Switch Type:	Magnetically Operated Reed	Cycle Time:	n/a
Technology:	Filtration	Specifications Met:	Pressure Directive
Product Type:	Condition Monitor	ATEX Specifications Met:	n/a
Product Style:	Flow Meter	Ingress Protection Rating:	n/a
Operating Pressure:	10 bar	Materials of Construction:	Borosilicate Glass
Flow Rate:	4 to 50 L/min	Seal Material:	Nitrile
Port Size:	1 inch	Body Material:	Glass Filled Nylon
Port Type:	BSP	For Fluid Type:	Oil
Operating Temperature:	5 to 60 °C	Height:	106 mm
Maximum Fluid Temperature:	+60 °C	Length:	196 mm
Minimum Fluid Temperature:	+5 °C	Width:	60 mm
Operating Humidity:	n/a	Diameter:	60 mm

[Safety Warning](#)

Item Information

The Parker Easiflow Series comprises a wide range of inline mechanical flow measurement devices that are ideally suited for high-flow, low-pressure applications, including hydraulic fluid return lines and water processing systems. The flowmeters are non-intrusive (i.e., do not obstruct flow) and feature a clear glass body, which allows users to visually determine flow rate in a system and/or line. The meters can also be equipped with a magnetically-operated reed switch that's capable of controlling valves and/or pumps, or activating alarm signals in the event that flow exceeds or drops below a pre-determined level set by the user.

Easiflow meters are highly simplistic and versatile devices that utilize a variable-orifice aperture (i.e., variable area principle). The meters can be used to measure the flow rate of a wide range of fluids and feature an internal piston, which moves as flow rate increases, opening a larger area to pass flowing air, water or hydraulic oil. The design provides users with a direct visual indication of flow rate and serves as a highly reliable and economical method of measuring flow rate when compared with many other competing products on the market, including turbines or electronic measurement devices.

Multiple Easiflow models are available to meet the unique fluid flow requirements of customers' systems. Flow rates range from 1 – 150 L/min (.25 – 40 GPM), with a maximum allowable working pressure of 10 bar (145 psi). All Easiflow devices are calibrated for both oil and water and feature accuracy and repeatability of +5% full scale deflection (FSD) and +-1% FSD, respectively.

For information regarding compatibility with corrosive fluids, contact a Parker Filtration representative.

Markets:

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•Construction

•Oil and Gas

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Applications:

- Hydraulic return lines
- Hydraulic test units
- Water processing systems

Benefits:

- Clear glass body construction allows users to quickly and easily determine flow rate in a system and/or line
- Helps protect critical equipment from damage by ensuring that hydraulic fluid levels do not go above or below specified levels
- Serves a reliable and economical alternative to high-cost flow measurement devices, such as turbines or electronic flowmeters

Features:

- Capable of flows ranging from 1 - 150 L/min (.25 - 40 GPM)
- Operating temperature range (oil): 5 to +80°C (+41 to +176°F)
- Operating temperature range (water): 5 to +60°C (+41 to +140°F)
- Maximum allowable working pressure: 10 bar (145 psi)
- Optional mechanically-operated reed switch
- Clear glass body construction
- Calibrated for both oil and water

CAD Drawings + Files



Related Documents



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